

THE RANTOP

MARCH

1986

PUBLISHED BY THE
GREATER CLEVELAND SINCLAIR USERS GROUP



DON'T FORGET!
THE MID WEST
TS'86
COMPUTER FEST!
MAY 3/4 1986

The Tom Wood's
Bank Switched
32K Memory
Cartridge Will
Be Demoed At
The APRIL
Meetings!!

WEST SIDE GROUP MEETS AT GETHSEMANE LUTHERAN CHURCH
14560 MADISON AVE. LAKEWOOD, OHIO 7:30 P.M.
EVERY THIRD FRIDAY EACH MONTH (EXCEPT DECEMBER)
CONTACT: DICK SIEG (216) 433-4387

EAST SIDE GROUP MEETS AT THE EUCLID SQUARE MALL
IN THE EUCLIDIAN ROOM 7:30 P.M.
EVERY FIRST FRIDAY EACH MONTH
CONTACT: MAX SCHOENFELD (216) 371-1096

A short note to our friends from other newsletters and magazines. You are welcome to use any of our material, news, ads, or programs if YOU: (1) Tell where it came from (RANTOP Cleveland, Ohio) and (2) The author's name that wrote the article. We would appreciate it if you would send us a copy of the newsletter that it appeared in! Unless otherwise notified we will do the same.

THANK YOU FOR YOUR INTEREST IN OUR NEWSLETTER !

THE TSU-BBS IS ALIVE

SYSOP:Chris Raynak PHONE:216-327-1099 PARAMETERS:8/2/N PASSWORD:sieg

T/S RESOURCES

news/rumors
hardware software literature

Mar. 1986 by Andy Kosiorek

THE CINCINNATI T/S COMPUTERFEST:

As of 2/27/86 approx. 23 dealer/vendors and 6 users groups have signed for exhibition space. This "midwest" show is turning into a national exhibition. Don't miss it. See our Feb. newsletter for details.

PUBLICATIONS:

Starting with issue #17, T/S Horizons will publish on a six weeks schedule.

Time Designs Magazine will print an updated version of TIMEX's 2068 Technical Manual. It is to contain some revisions and additions to the 1st edition

SOFTWARE:

Tassman Ltd. has introduced Tassword III. A enhanced version of TW II, available on microdrive cartridge only-#16.50

Zebra is offering Z-TERM 64. A 64 column modem terminal prog-ram. Some of the features are auto-dialing, text editor, X-Modem protocol, and 80 column printer support. \$29.95. It requires the OS-64 cartridge.

HARDWARE BARGAINS:

- from E B Brown, GE Computer Data Recorder for \$24.95. This is a quality item comparable to the RS CCR2, but with more accessories.

- from Sunset Electronics, 2068 Computer & software package for \$99.95.

NEW HARDWARE PRODUCTS:

- FROM ZEBRA Systems, The FDD-3000 Disk Drive system. This is new model of the original Timex DD. All of the components are now in one case. \$375.00. A Spectrum upgrade, and a CP/M option will soon be available for both the original and new versions of the disk drive system. The CP/M option will allow the 2068 to run CP/M in 64 column mode and drive a 80 column printer via the DD RS 232 port.

Also available will be a Kemston Joystick interface Card, that attaches to the rear expansion connector to allow use of joysticks when operating in the Spectrum mode.

GREATER CLEVELAND SINCLAIR
USERS GROUP
- CLUB NEWS -

MARCH 1986

The Club will have a table at the Cincinnati Computerfest. A signup sheet will be circulated at the March meetings to man the table and coordinate our activities. Please indicate on this sheet what days you will be attending, and if you need or can share a ride.

Due to the dates of the Cincinnati Computerfest, the May East-Side Meeting will be held on Tuesday, April 29th, at the Euc. Sq. Mall

The Club will once again participate in the Akron Computer Show on March 15th and 16th, at Quaker Square. Dave Hoshier is coordinating this activity.

We are in the process of making ID badges for local members to wear at the meetings.

The general business meeting format held at the Feb. west side meeting was successful. We will try this more often in lieu of trustee meetings. However the trustees will meet at the March west side meeting to discuss printing arrangements for the RAMTOP. Trustee meetings are always open to all members.

The continuing success of our Club is due to the efforts of a large number of members:

A THANK YOU to the members who have:::

- made meeting arrangements
- provided refreshments
- edited the RAMTOP
- printed the Ramtop
- contributed to the Ramtop
- handled the Treasury
- handled the Cassette sale
- provided programs and demonstrations.

Committees have recently been established for:

- editing a best of Ramtop issue; T. Jennens, Chm.
- creating Club Library tapes Dick Ptak, Chm.
- selecting programs to demo in Cincinnati. B. Schaeffer
- coordinating distribution of magazines and literature Wally Hayes, Bob Parrish

We have a Club to be proud of, I know of no other T/S Users group with 23 meetings a year.

----see you at the next meeting;

Andy Kosiorek, president

Hello to all! I hope that you are all well and have not had the misfortune as my wife and I to have caught the flu. As if that wasn't bad enough, my wife had a half a pint of fluid drained from her knee.

The last month has been really hectic with all that has happened. There has also been much going on in the world of Sinclair and Timex. You will please note that there is a good review on John Oliger's Disk system and a good list of publications for the 2068 and Spectrum in this issue. We also have a lot of other goodies this month.

A NOTE TO THE EAST SIDERS: YOUR MAY EAST SIDE MEETING HAS BEEN MOVED UP TO APRIL 29th (Tuesday night)!!!

Please note also that March 15th and 16th are the dates for the Akron Computer Show. See Tom Simon's NOTES for more information. We need people to man the table for the two days.

We have several new members due to the ad in CTM magazine for a free sample copy of the RAMTOP.

I want to thank all of you that sent articles and especially to those of you that sent them to me on tape as a Tasword file! With my time allowance for the newsletter getting less and less due to my jobs overtime and my electronics course, the Tasword files help a lot. I will get these tapes back to you at the next meeting!

Unfortunately, I missed the Feb. meeting and the demo of not only Andy's Zebra disk, but also a QL! You heard me, a QL! One of our group has finally got a QL. I hope I will be able to see it at the next West Side meeting! (hint! hint!)

I saw in the Feb/March TS Horizons an ad for Zebra. They are selling a lot of new items for the 2068. One of these in a Z.A.D.. (Zebra A/D interface) I wonder if this is the same one that they use with the Koala pad? (a little food for thought) Till next time..... TAKE CARE!!!
James B DuPuy 3

MARCH 15TH AND 16TH ARE THE DATES FOR THE AKRON COMPUTER SHOW. WE WILL HAVE A TABLE AND ARE LOOKING FOR PEOPLE TO BE THERE TO HELP OUT. IT IS AT THE QUAKER SQUARE HILTON. CALL TOM SIMON 928-7910 OR DAVE HOSHOR AT 650-4854 TO HELP WITH THE DISPLAY.

HARDWARE NOTE: CHRIS RAYNAK SAYS THAT THE ATARI 600XL USES SAME TYPE RAM CHIPS AS THE 2068. THE CHIPS ARE NON-STANDARD GENERALLY UNAVAILABLE SO KEEP YOUR EYES OPEN FOR DISCAR 600XL'S AS A PARTS SOURCE.

BRUCE SCHAFER HAS SUGGESTED THAT THE CLUB MAKE UP TAPES WITH ONE OR TWO ORIGINAL PROGRAMS TO SELL AT THE CINCINNATI SHOW, RAISE MONEY. OF COURSE THESE SHOULD BE OUR BEST PROGRAMS. LET'S SEE WHAT WE CAN COME UP WITH.

I PURCHASED TWO OF THE OLIGER BOARDS RECENTLY, THE KEMPSTON JOYSTICK INTERFACE AND THE 2068 EXPANSION BOARD. COST WITH 60 EDGES WAS \$13.95 FOR THE FORMER AND \$17.95 FOR THE LATTER. HAVING NEVER DONE AN ELECTRONICS PROJECT BEFORE IN MY LIFE I WAS ABLE TO BUILD THE KEMPSTON INTERFACE WITHOUT ANY PROBLEMS. THE EXPANSION BOARD WAS FITTED WITH \$.50 EDGE CONNECTORS FROM DISCOUNT ELECTRONICS. I HAD A FRIEND DO THE SOLDERING ON THE BOARD, SINCE THE CONNECTIONS WERE VERY CLOSE TOGETHER AND I DID NOT HAVE ENOUGH EXPERIENCE TO DO IT WELL. IT TOOK ABOUT 15 MINUTES FOR HIM TO SOLDER THE PINS TO THE BOARD AND THE CONNECTION TO THE COMPUTER. THE EXPANSION BOARD IS NECESSARY TO CONNECT TO OTHER BOARDS FOR THE DISK INTERFACE. JIM LEWIS, WHO HAS THE OLIGER INTERFACE, THINKS THAT ONE PROBLEM WITH THE OLIGER INTERFACE MAY BE THAT THE LINES MAY NEED TO BE BUFFERED IN SOME CASES. CASE THE EXPANSION BOARD WOULD HAVE BEEN MODIFIED OR REDESIGNED.

A VISIT TO OUR SISTER TIMEX/SINCLAIR GROUP IN TORONTO PROVIDED INFORMATION IN SEVERAL AREAS. ONE OF THEIR MEMBERS IS WORKING ON AN INTERFACE WHICH WILL USE RADIO SHACK ADD-ONS, LIKE THE TOUCH TABLET AND LIGHT PEN. IT IS TO BE LESS EXPENSIVE THAN ONE CURRENTLY AVAILABLE HERE IN THE STATES. THEY ALSO HAD A DEMONSTRATION OF THE A&J MIKRODRIVES WITH THE 2068 INTERFACE. THE INTERFACE IN ADDITION TO RUNNING THE MIKRODRIVES FEATURES CENTRONICS INTERFACE AND COSTS ABOUT \$60. (US). THE MIKRODRIVE IS A BIT SLOWER THAN THE SINCLAIR STYLE DRIVES BUT SEEMS TO BE NOT VERY DIFFICULT TO USE. THERE WAS ALSO A DEMONSTRATION OF THE WORD PROCESSING PROGRAM MSCRIPT WHICH WAS WRITTEN BY THE SAME PEOPLE WHO WROTE MTERM II FOR THE MODEM. IT IS A VERY GOOD PROGRAM ALTHOUGH A BIT MORE DIFFICULT TO USE THAN TASWORD BUT CONFORMING MORE IN STYLE TO CONVENTIONAL WORD PROCESSING PROGRAMS. IT OFFERS A BETTER SCREEN DISPLAY THAN TASWORD AND CAN PRINT MORE CHARACTERS PER LINE. FINALLY, DAVE RIDGE, AUTHOR OF ARTWORX IS WORKING ON AN UPDATED VERSION TO BE CALLED ARTWORX II. THIS SHOULD BE AVAILABLE IN A LITTLE WHILE FOR THE SPECTRUM ONLY. IT IS A SIGNIFICANT IMPROVEMENT ON CURRENTLY AVAILABLE DRAWING PROGRAMS FOR THE SINCLAIR. THE PROGRAM HAS FEATURES WHICH ARE MORE COMMON TO THE ATARI AND COMMODORE COMPUTERS: PATTERN FILLS AND A ZOOM FEATURE FOR DETAILED WORK WILL BE AVAILABLE.

AND LASTLY A PIECE OF SOFTWARE THAT SINCLAIR USERS HAVE BEEN ANXIOUSLY WAITING FOR. IT IS BENNY HILL'S MADCAP CHASE. REPORTEDLY IT HAS GOOD ANIMATION ALTHOUGH THE GAME IS DESCRIBED AS BEING TACKY. DON'T YOU JUST WONDER WHAT IT COULD BE ABOUT?

The Timex Sinclair 2068 Explored, Tim Hartnell, John Wiley & Sons Inc, 1984, \$12.95

Color Graphics, Nick Hampshire, Hayden Book Co., 1982, \$12.95

Timex Sinclair 2068 Beginner/ Intermediate Guide, Fred Blechman, Howard W. Sams & Co., 1983, \$9.95

Timex Sinclair 2068 Intermediate/ Advanced Guide, Jeff Mazur, Howard W. Sams & Co., 1984, \$9.95

Games for your Timex Sinclair 2000, Peter Shaw, Dell Publishing Co., 1983, \$5.95

The Timex Sinclair 2068, Roger Valentine, John Wiley & Sons Inc., 1983, \$12.95

Powerful Projects with your Timex Sinclair, Jim Stephens, Scott, Foresman & Co., 1985, \$12.95

Inside the Timex Sinclair 2000 Computer, Jeff Naylor & Diane Rogers, Sunshine Press, 1984, \$11.95

Timex 2068 Technical Manual, V.C. Corcoran & M.H. Branigin, Timex Computer Corporation, 1984, \$25.00

Creative Games for the Timex Sinclair 2068, Robert Maunder, Creative Computing Press, 1984, \$7.95

Tantalizing Games for the Timex Sinclair 2000 Series, Hal Renko & Sam Edwards, Addison-Wesley Publishing Company, 1983, \$5.95

--For the Spectrum--

Invent and Write Games Programs for the Spectrum, Noel Williams, \$5.95

Information Handling for the ZX Spectrum, C.A. Street, \$6.95

Spectrum Interfacing & Projects, Graham Bishop, \$6.95

Learn & Use Assembly Language on the ZX Spectrum, Tony Woods, \$6.95

Spectrum Graphics, Nick Hampshire, Duckworth, 1982, \$6.95

Spectrum Programs Vol. 1, Nick Hampshire, Duckworth, 1983, \$6.95

The Working Spectrum, David Lawrence, Sunshine Books, 1982, \$5.95

My Spectrum Computer & Me, Meyer Solomon, \$2.95

Master your ZX Microdrive, Andrew Pennel, \$6.95

Spectrum Adventures, Bridge and Carnell, Sunshine Books, 1983, \$5.95

Better Programming for Your Spectrum & ZX-81, Speel, Fontana, 1983, \$3.50

Computer Puzzles for the Spectrum & ZX-81, Ian Stewart & Robin Jones, Nantwich, 1982, \$2.95

I Wish I Knew about the Spectrum & ZX-81, Chapple, Pitman, 1982, \$4.95

Spectrum Basic, Coats, E. Arnold, 1983, \$4.95

Exploring Spectrum Basic, Lord, Timedata, 1982, \$4.95

Beginner's Basic for the Spectrum, Mervyn & Neilson, Glen Publishers, 1983, \$14.95

Best "Personal Computer World" Software for the Spectrum, Century Publications, 1983, \$4.95

Spectrum Book of Games, Mike James, Granada, 1982, \$5.95

Drive Your Spectrum, Canacho, Foulsham, 1983, \$5.95

Educational Programmes for the Spectrum, Ian Murray, Cent Communications, 1983, \$6.45

15 Graphic Games for the Spectrum, Hurley, Micro Press, 1983, \$5.95

First Steps with Your Spectrum, Carolyn Hughes, Armada Books, 1983, \$1.25

40 Educational Games for the Spectrum, Granada, 1983, \$5.95

Exploring Adventures on the 48k Spectrum, Gerrard, Duckworth, 1984, \$6.95

Giant Book of Spectrum Games, Tim Hartnell, Fontana, 1983, \$3.95

Spectrum Graphics and Sound, Money, Granada, 1984, \$6.95

Spectrum Handbook, Langdell, Century Publishing Co., 1982, \$4.95

Spectrum Hardware Manual, Dickens, Melbourne House, 1983, \$5.95

The Spectrum in Education, Deeson, Nantwich, 1983, \$6.25

The Sinclair Spectrum in Focus, Mark Harrison, Sigma Technical Press, 1982, \$6.25

Learning with the Spectrum, Deeson, AVC Software, 1982, \$2.00

Spectrum Machine Code, Ian Stewart & Robin Jones, Nantwich, 1983, \$5.95

Spectrum Machine Code Applications, Laine, Sunshine Books, 1983, \$5.95

Introducing Spectrum Machine Code, Sinclair, Granada, 1983, \$5.95

Spectrum Machine Code Made Easy

v.1 For Beginners, J. Walsh, Interface, 1983, \$5.95

v.2 For Advanced Programmers, P. Holmes, Interface, 1983, \$5.95

I had never used the function POINT until entering the program that turns the screen upside down (RAMTOP Feb. 86). It made me curious, so I decided to learn more about it.

On page 199 of the 2068 USER MANUAL is a very brief explanation, as follows: The function POINT is followed by two numbers (in parenthesis) separated by a comma. The numbers correspond to the PLOT position of the pixel in question.

POINT (x,y)=1 if the pixel specified is INK color. POINT (x,y)=0 if the pixel is PAPER color. Now, how do you use it?

The book, THE COMPLETE SPECTRUM, is a little more helpful. On page 99 there is an explanation of the function and a program using it.

Let's try a few simple programs:

```
10 PLOT 50,50
20 PRINT POINT (50,50)
```

"1" will show on the screen. If you substitute any other values on line 10, then "0" will be displayed. You can use PRINT AT instead of PLOT, remembering the differences in the two systems. Try this:

```
10 PRINT AT 15,6;"■"
20 PRINT POINT (50,50)
```

Since the pixel (50,50) is within the character block (15,6), "1" should be displayed

The SPECTRUM book has a program using POINT, as follows

```
10 PAPER 1: INK 6
20 CLS: CIRCLE 128, 88, 50
30 PLOT 128,88: LET x=0:
  LET k=1
40 PLOT INVERSE 1: 128+x,88:
  LET x=x+k
50 PLOT 128+x,88: IF POINT
  (128+x+k,88)=1 THEN LET k=-k
60 GO TO 40
```

Combining POINT, PLOT and PRINT AT in the same program takes a bit of study. If you PRINT AT 15,6;"■", you can test the values of POINT which will produce POINT (a,b)=1. a and b can each be any number between 48 and 55 inclusive. Numbers smaller than 48 or larger than 55 will produce a 0. Try this:

```
10 PRINT AT 15,6;"■"
20 PRINT POINT (a,b)
30 REM (a,b) as in the above paragraph
```

Here is another "bouncing ball" program.

```
10 REM bouncing balls
20 FOR a=1 TO 20
30 PRINT AT a,0;"■";AT a,31:
  "■"
40 NEXT a
50 FOR c=0 TO 31
60 PRINT AT 0,c;"■";AT 21,c:
  "■"
65 NEXT c
70 PLOT 100,80: LET b=0: LET
  x=1
80 LET d=0: LET
  y=1
90 PLOT INVERSE 1:100+b,80: LET
  b=b+x
100 PLOT INVERSE 1:100,80+d:
  LET d=d+y
110 PLOT 100+b,80: IF POINT
  (100+b+x,80)=1 THEN LET
  x=-x
120 PLOT 100,80+d: IF POINT
  (100,80+d+y)=1 THEN LET
  y=-y
130 GOTO 90.
```

I hope you have fun with this.

Max Schoenfeld

(Editors note: When you see the "■", This is a GRAPHIC, SHIFTED 8.)

FREE AD: FOR SALE:
2068, 2040, 4 books, software,
5 rolls 2040 paper, Panasonic
slim line tape recorder. Asking
\$175 for all. Call: 1-688-9701

We all have troubles in this world of computers and tape drives, but once in a while we can see hope of a way out. The first option open to a computer user is a Micro Drive which works fine but still has family ties with a regular cassette's problems. However the ultimate goal of any computer user is to have trouble free data transfer in a system, and that is what I achieved with John Oliger's disk drive system.

AT A GLANCE

When I first received my disk interface I was very impressed at what I saw. The printed circuit boards were in separate packages, each with their own chips. The chips were all packed in plastic IC holders, and the static sensitive chips were all marked. This was very handy because the first thing you usually do when you get something in the mail is mindlessly paw through it's contents! The quality of the boards was outstanding! I've seen many other add-ons that didn't have a prayer of going together easily, but these boards had all the component locations marked on them, and also had plated through holes! These holes save you a great deal of time because you don't have to make ANY jumper connections from one side of the board to the other. If some of you have Paul Hunters 8K memory board you can get an idea of the quality I'm speaking of.

COMPONENTS OF THE SYSTEM

To run an Oliger Disk System, you need a total of 3 boards: 1) board "A", 2) board "B" and 3) the expansion board. Board "A" and "B" are a little bigger than the cartridges used in the 2068. One is used as the disk controller, and the other is used for the DOS (JLO SAFE BASIC+8K static RAM). The expansion board has 4 slots in it that are used for John Oliger products. You can plug boards "A" and "B" into any of these slots.

KIT OR ASSEMBLED???

You can purchase this system in kit or assembled form. I chose to get the assembled expansion board and boards "A" and "B" as a kit. If you feel comfortable with a soldering iron I think you could go the same route. Assembly time took me about 3 hours! It was one of the easiest kits to assemble that I've come across in a long while!

CONNECTING THE DISK SYSTEM

Once you've assembled the boards and plugged them in you need a disk drive. You can use up to 4 drives with the system ranging from 3 to 5 1/4 in size. I had my own plan for this, (unfortunately it resulted in 1 smoked drive!), but I suggest you purchase one of those \$49.00 dollar disk drive housings with power supply and a data cable.

USING THE OLIGER DISK SYSTEM

One of the nice things about the JLO SAFE BASIC is that it doesn't take up any memory at all! The 8K ROM is bank switched in and out of the 0 to 16K area when used. Loading and saving files is accomplished by using the LOAD command like this: LOAD/1. The / isn't normally accepted by the 2068 but the JLO SAFE BASIC monitors for this input and acts accordingly. All files are handled in a simple way; you have files that are number 1 to X, each composed of 55K chunks. So on a 360K drive you can typically get 8 files plus a directory. The directory you load by just using: LOAD [ENTER] which loads and runs file 0. You write your own directory format in BASIC in this file to select other files on the disk. Formatting a diskette is also quite easy! All you do is use the FORMAT command! If formatting is Unsuccessful you'll get a "Tape loading error" message. Now JLO SAFE BASIC is very "basic" and some people may not care for all files, regardless of size, being saved as 55K chunks. But I feel it is one of the BEST DOS systems I've seen because it is simple to use! John Oliger also promises to come out with a new operating system by Ray Kingsley which will have full file handling (as of this writing already 3 versions of JLO exist!).

USEFUL FEATURES OF THE SYSTEM

One of the items that makes the Oliger disk system appealing is it's compatibility! The system will work with BOTH Timex and Spectrum ROM's/emulators with no problem! Also, the system is fully decoded so you can use any other add-on with it. The JLO SAFE BASIC contains the software for future implementation of Bank switching of memory also! The latest development for the system is the NMI(Non-maskable Interrupt). This allows you to save ALL software to disk at the press of a button. All you do is load in the program, press the NMI button, and the system beeps. Then you press any key, 1 through 0 to save the program to that file number. When you reload the program it starts from the point you saved it!

CONCLUSION

All over, the Oliger Disk system is one of the finest pieces of work I've seen in a while! Other than a few power problems I've had, nothing else has caused me any regrets. (power problems caused by the Timex). If you would like further information please write to The John Oliger Co., 11601 Whidbey Dr., Cumberland, IN 46229. Since advertising costs such a great deal PLEASE send him a SASE at least. Believe me, you won't regret it!!

Thanks Chris for this review!

Not the kind you pay to sovereigns--not even the kind you pay to wizards for fear the magic will be withheld. Though I spook now and then.

A tribute to OSCAR SENSABAUGH of Ballinger, Texas, who writes "Computing in the Country" (CTM magazine), among others, hay, trucks, grandkid-sits, and corresponds with most novices in the country at the drop of a postal card. Oscar is practically in my will; my numbnod kids have orders to box carefully all my computer equipment, including my new disk drives, and send them to Oscar in case I should kaput. He is to distribute same to persons who recognize the delicacy of bits and bytes.

A tribute to VERN TIDWELL of Key West, Florida, who put my pridefully assembled "TotalTas" on disk for me in spite of his noting it was so loaded with gimcracks there's scarcely room for three pages of text. I appreciate people that don't bludgeon one with the obvious--that my "word processor" was fast decending to a syllabicator. Literally hours of his time were spent deciphering the mess of cassette material, coded and uncoded, botched and unbotched.

A tribute to BILL PEDERSEN of Grand Rapids, Michigan, who can barely express a thought I can comprehend and yet regularly sends me advice in as close to Basic English as he can manage. He doesn't want me to leak any of his secrets on bank switching. I'd do better on rolling over an IRA.

Thanks much to Joan for this Tribute! I think it should be noted that I DO get some help with the RAMTOP. Although at the present, I put it all together and write the ads and editorials, and so forth, I must give credit to the many others that help to make this newsletter what it is. Namely:

Yes, and a tribute to BOB DYE of Newport, Rhode Island, who accepted a call on New Year's Day to ask how to get a plastic insert out of a disk drive--a disk system that he had bought for me from Zebra rather than renege on an order that Timex of Portugal would not send. My family doctor would not have accepted a phone call at home on New Year's Day if I'd had a herniated disc.

So, yea, a tribute to Tom WOODS of Jefferson, New Hampshire who naively fulfilled a 100 page promise with a 143 page book--that's unbusinesslike.

And to PAUL DONNELLY of Long Island, who can't resist sad stories about library tapes not received, and to DAVID BALCH of Fort Worth, Texas, who's too busy teaching school and running a cabinet-making business to get out the TSUG newsletter, but does. To OLEG JEFIMENKO of Star City, West Virginia, who kindly sends every newsletter I mentioned a Christmas music program because I said they were always begging for material.

I could go on for pages but not without mentioning GREG DuPuy of Parma, Ohio, who changes jobs, studies coursework, has absolutely no time for family and getting out the Ramtop with little help, and does.

Myself--I have hobbyed with Tennessee Walking Horses, sports cars, handicrafts, and artsicrafts. Nothing has given me such pleasant contact with other humans as our T/S orphan asylum.

JOAN KEALY

Al Gedris for correcting my mistakes and running the copies, Andy Kosiorek's news, and our art work is done by Ted Knyszek. I must also thank those of you who send in the many fine article whithout which, there would be no RAMTOP!

THANK YOU TO ALL!!! James G. DuPuy

If you would like to subscribe to the RAMTOP please fill out this form and send it to the listed address along with a check for: \$15/Year or \$7.50/ 6 mo. to become a member of our Group (Attend meetings, use library tapes Ect.) or: \$12/Year or \$6/ 6 months to receive the RAMTOP only.

 Please print! Enclosed: \$_____ for 1 year__ / 6 months__
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 CITY: _____ STATE: _____ ZIP: _____
 *
 Type of computer(s) and peripheral(s) you own: _____
 *
 *
 *

THANK YOU for your interest! Please send to:
 James G. DuPuy, 6514 Bradley Ave.(Down), Parma, Ohio, 44129

Would you like to write an article for the **RAMTOP?** We need your article to keep this newsletter the fine publication that it is. Its quality is due mainly to the excellent articles that you all have been sending in! If you are interested, we ask that you use Tasword and send the article on tape. This is NOT a rigid requirement, but does save me a lot of time! It also allows me to keep the print more uniform and legible. If you have any questions, feel free to give me a call: 661-4105. Send all articles to: James G. DuPuy, 6514 Bradley Ave.(DOWN), Parma, OHIO 44129.

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From:

THE GREATER CLEVELAND SINCLAIR USERS GROUP

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86/06/06

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